

HCS01.1E-W0028-A-03-B-ET-EC-NN-L3-NN-FW

Industrial automation components

Manufacturer	Indramat
Catalog number	hcs011e-w0028-a-03-b-et-ec-nn-l3-nn-fw
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Weight	1.92 kgs
Voltage	200 - 500 V
Current	28 A
Relay Specifications	28 A
Frequency	50 - 60 Hz
Product Type	Drive
Signal Type	500
Signal Level	500 V

Description

The Indramat HCS01.1E-W0028-A-03-B-ET-EC-NN-L3-NN-FW is a high-performance drive controller engineered for precise motion control in industrial automation systems. Manufactured by Indramat, a division of Bosch Rexroth, this controller is part of the HCS IndraDrive series, known for their reliability and advanced features. Designed to operate with a three-phase AC mains voltage of 200 to 500 V $\pm 10\%$, it delivers a peak current of 28 A, ensuring robust performance across various applications. The controller features a MultiEthernet communication interface, supporting protocols such as PROFINET IO, EtherCAT, Sercos III, and EtherNet/IP, facilitating seamless integration into diverse industrial networks. Cooling is managed internally through an integrated blower, maintaining optimal operating temperatures without the need for external cooling systems. With an IP20 protection rating, the device is safeguarded against solid objects larger than 12 mm, making it suitable for installation in control cabinets. The controller includes dual encoder interfaces compatible with IndraDyn Hiperface and EnDat 2.1/2.2 protocols, providing high-resolution feedback for precise position and speed control. Additionally, it incorporates a Safe Torque Off (STO) safety module, enhancing operational safety by immediately disabling motor torque when necessary. Firmware for the HCS01.1E-W0028-A-03-B-ET-EC-NN-L3-NN-FW must be ordered separately, allowing customization to meet specific application requirements. This controller is ideal for applications requiring high-speed, precise motion control, such as packaging lines, robotics, and material handling systems.